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SUPERIOR COURT  
YAVAPAI COUNTY, ARIZONA

2010 FEB -8 PM 4:09

JEANNE HICKS, CLERK

BY: Heather Figueroa

IN THE SUPERIOR COURT OF STATE OF ARIZONA

IN AND FOR THE COUNTY OF YAVAPAI

STATE OF ARIZONA,

Plaintiff,

v.

STEVEN CARROLL DEMOCKER,

Defendant.

Cause No. P1300CR20081339

Division 6

STATE'S RESPONSE TO DEFENDANT'S  
MOTION TO PRECLUDE DETECTIVES  
PAGE AND KENNEDY FROM  
TESTIFYING AS EXPERTS AND  
STATE'S REQUEST TO QUALIFY  
ADDITIONAL EXPERTS

Hearing requested

The State of Arizona, by and through Sheila Sullivan Polk, Yavapai County Attorney, and her deputy undersigned, hereby submits its Response to Defendant's Motion to Preclude Detectives Page and Kennedy from Testifying as Experts. The State's response is supported by the following Memorandum of Points and Authority.

MEMORANDUM

I. Detective Steve Page is a qualified expert in digital media.

Detective Page through his training, experience and skill is qualified to testify as an expert as a special investigator of digital media (See Exhibit A). Under Rule 702, Arizona Rules of Evidence:

1 If scientific, technical, or other specialized knowledge will  
2 assist the trier of fact to understand the evidence or to  
3 determine a fact in issue, a witness qualified as an expert by  
4 knowledge, skill, experience, training, or education, may  
5 testify thereto in the form of an opinion or otherwise.

6 The degree of qualification goes to the weight given the testimony, not its  
7 admissibility. *State v. Mosley*, 119 Ariz. 393, 400, 581 P.2d 238, 245 (1978). Detective  
8 Page's expertise lies in the operation of software Guidance Software's EnCase 6 forensic  
9 program, Access Data's Forensic Tool Kit (FTK), Digital Detective's Net Analysis forensic  
10 program and InfinaDyne's cd/dvd Inspector forensic program. These programs are used to  
11 extricate information stored on digital devices. The digital devices include computers, thumb  
12 drives, CD's and flash memory drives. Detective Page has experience in using this  
13 specialized software to collect all relevant evidence, while not altering anything on the  
14 original. The technical knowledge and training required to use the software is not known by  
15 the average juror. Detective Page's testimony will assist the jury in understanding how the  
16 electronically stored information was extracted from the various electronic devices for later  
17 forensic analysis. The test of whether a person is an expert is whether a jury can receive help  
18 on a particular subject from the witness. *Bliss v. Treece*, 134 Ariz. 516, 518-519, 658 P.2d  
19 169, 172-173 (1983).  
20

21 The expert testimony of Detective Page is not cumulative forensic expert testimony.  
22 Rather, Detective Page is the expert who can testify about the software that was used to  
23 extract forensic evidence from the digital evidence. The Defendant had the opportunity to  
24 question Detective Page in the *Simpson* and *Chronis* hearings. Much of what Detective Page  
25 will testify to at trial the Defendant has known about since the hearings. The Defense still has  
26 not taken the opportunity to interview Detective Page outside of the court hearings. The

1 extent of the officer's training and experience goes to the weight of his testimony rather than  
2 its admissibility in this case. *State v. Penny*, 104 Ariz. 310, 509 P.2d 611 (1969).

3  
4 **II. Detective Theresa Kennedy is an expert qualified in tracking shoeprints.**

5 In 2004 Detective Kennedy completed 25+ hours of training over a two day period on  
6 tracking humans. (See Exhibit B). Additionally Detective Kennedy participated in a tracking  
7 course as part of her SWAT training. In approximately 2004 Detective Kennedy responded to  
8 the scene of a double homicide in the desert area near Congress. At the scene the Detective  
9 located a set of suspicious set of tracks. By tracking the prints left in the dirt Detective  
10 Kennedy found more physical evidence of the crime. While continuing to track these  
11 shoeprints for approximately ¼ mile Detective Kennedy found a third victim. An expert need  
12 not exhibit the highest possible degree of qualification; the extent of his training and experience  
13 is a matter of weight to be determined by the jury. *State v. Richards* 166 Ariz. 576, 579, 804  
14 P.2d 109, 112 (1990).  
15

16 In the present case, Detective Kennedy tracked two separate sets of shoeprints found at  
17 the scene. One set of shoeprints was identified as the victims. Officers on scene confirmed that  
18 the victim was wearing athletic shoes that had a distinctive V shaped marking on the sole. The  
19 victim's shoes matched the first set of shoeprints. The second set of shoe prints were identified  
20 as a hiking type boot print. The sole of the hiking boot had distinct markings that set it apart  
21 from the athletic shoes. The difference between the two sets of tracks is a distinct difference  
22 that any ordinary person would be able to perceive.  
23

24 Detective Kennedy followed each set of shoe prints independently and made  
25 appropriate markings on each path to mark the coordinates that would later be entered into a  
26

1 GPS device. The perception that Detective Kennedy is not qualified as an expert in shoe  
2 print tracking because YCSO did not follow DPS protocol's is misplaced.

3 There is more than one way in which footprints can be preserved and  
4 analyzed. Although Detective Lent did not follow FBI procedures, this does  
5 not require exclusion of the evidence. We agree with the trial court that  
6 Detective Lent's testimony was properly admitted and that any issue of  
7 proper methodology went to the weight rather than admissibility. See *State*  
8 *v. Kelly*, 111 Ariz. at 188, 526 P.2d at 727. *State v. Murray*, 184 Ariz.9, 29  
9 906 P.2d 542, 562 (1995).

10 The State will seek to qualify Detective Kennedy as an expert in tracking shoeprints.  
11 Her expertise does not lie in the comparison of shoeprints but rather her expertise is identifying  
12 a specific set of tracks and following those tracks for several miles. This type of knowledge  
13 and skill is not within the common knowledge of the jury and Detective Kennedy's expert  
14 testimony will assist the jury in understanding the evidence presented.

15 **III. The State moves to qualify the following individuals as experts in their respective**  
16 **fields.**

17 **A. Commander Mascher YCSO Expert in Tracking**

18 Commander Mascher has the skill, knowledge, education, experience and training in  
19 tracking. For the past eight years he has been a licensed hunting guide in the State of Arizona.  
20 During this time Commander Mascher has utilized his skills to track animals over rugged  
21 terrain.

22 Over his 24 year career in law enforcement Commander Mascher has worked with  
23 local, State and Federal agencies utilizing his tracking skills.

24 Commander Mascher has completed the following training in tracking:

25 1986 SWAT training on Stealth Tracking  
26

1 1988 DEA Seminar to include Systematic Tracking  
2 1989 Cannabis Detection and Eradication, field tracking  
3 1991 Cannabis Detection and Eradication, field tracking  
4 1991 Basic SWAT Operations, Stealth Tracking  
5 1992 Search and Rescue Advanced Academy, field tracking

6 **B. Roger Hoover-AZDPS Expert in Computer Forensics**

7 The Curriculum Vitae for Roger Hoover was disclosed in the State's 22<sup>nd</sup>  
8 supplemental disclosure, bates numbers 6811-6814.

9 **C. Paul Lindvay-AZDPS Expert in Computer Forensics**

10 The Curriculum Vitae for Paul Lindvay was disclosed in the State's 41<sup>st</sup> supplemental  
11 disclosure, bates numbers 16159-16162

12 **D. Patrick Smith-AZDPS Expert in Computer Forensics**

13 Attached as Exhibit C

14 **E. Randy Arthur-AZDPS Expert in Computer Forensics**

15 The Curriculum Vitae for Randy Arthur was disclosed in the State's 41<sup>st</sup>  
16 supplemental disclosure, bates numbers 16163-16164.  
17

18 **Conclusion:**

19  
20 Detective Page's expert testimony as a special investigator will aid the jury in  
21 understanding the electronic evidence in this case. Detective Kennedy's expert testimony as  
22 a tracker will aid the jury in understanding the trail of shoeprint evidence found at the scene.  
23 The knowledge, skill and experience that Detective's Page and Kennedy have is not common  
24 knowledge or within the experience of the jury.  
25

26 The hearing will serve to qualify the Detectives, based on their knowledge, skill,  
training, education and experience, as experts in their respective fields.

Office of the Yavapai County Attorney

255 E. Gurley Street, Suite 300

Prescott, AZ 86301

Phone: (928) 771-3344 Facsimile: (928) 771-3110

1 RESPECTFULLY SUBMITTED this 8<sup>th</sup> February, 2010.

2  
3 Sheila Sullivan Polk  
4 YAVAPAI COUNTY ATTORNEY

5 By: Joseph C. Butner (For)  
6 Deputy County Attorney  
7

8  
9 COPIES of the foregoing delivered this  
10 8<sup>th</sup> day of February, 2010 to:

11 Honorable Thomas J. Lindberg  
12 Division 6  
13 Yavapai County Superior Court  
(via email)

14 John Sears  
15 107 North Cortez Street, Suite 104  
16 Prescott, AZ 86301  
17 Attorney for Defendant  
(via email)

18 Larry Hammond  
19 Anne Chapman  
20 Osborn Maledon, P.A.  
21 2929 North Central Ave, 21<sup>st</sup> Floor  
Phoenix, AZ  
Attorney for Defendant  
(via email)

22  
23 By: R. Arub  
24  
25  
26

# Curriculum Vitae

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## Steven Page

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c/o

Yavapai County Sheriff's Office  
255 E. Gurley St  
Prescott, AZ 86301

### Specialized Training, Certifications and Skills

#### *Computer Forensics Training:*

EnCase Computer Forensics II,  
Guidance Software Dec. 2009

EnCase Computer Forensics I,  
Guidance Software Nov. 2009

ILook Automated Forensic Application  
(ILOOK), National White Collar  
Crime Center Apr. 2007

Intermediate Data Recovery & Analysis  
(IDRA), National White Collar Crime  
Center Feb. 2007

DPS Computer Forensic Lab (1 week):  
observed and assisted Det. Roger  
Hoover with cell phone analysis  
and computer forensic casework  
using EnCase. Jan. 2007

Basic Data Recovery & Acquisition  
(BDRA), National White Collar  
Crime Center May 2006

#### *Other Training and Certifications:*

HTML: Introductory Concepts and Techniques:  
Fundamentals of developing Web pages.  
Yavapai College May 2009

Foundations of Intelligence Analysis, National  
White Collar Crime Center Dec. 2007

Principles of Leadership & Management  
Yavapai County Human Resources Oct. 2005

Introduction to Crime and Intelligence Analysis,  
AZPOST Jun. 2005

AZ POST Basic Supervision, AZPOST May 2005

Arizona Semi Annual Conference, Computer  
Crimes/Internet Fraud  
Assoc. of Certified Fraud Examiners Oct. 2003

Law Enforcement Information Technology  
Planning, Purchasing and Managing Your  
Technology Initiative  
COPS Technical Assist. Conference Nov. 2002,

Project Development and Implementation  
(Law Enforcement IT related) Sep. 2002

General Instructor Course,  
Yavapai College/NARTA May 2002

CrimeZone software, YCSO Training Nov. 2001

### Certifications

Certified Criminal Analyst (CCA)  
International Association of Law Enforcement Intelligence Analysts (IALEIA), Sep. 2008

AZ POST General Instructor  
Arizona Peace Officer Standards and Training (AZ POST), May 2002

### Professional Memberships

High Technology Crime Investigation Association (HTCIA)

International Association of Law Enforcement Intelligence Analysts (IALEIA)

International Association of Financial Crimes Investigators, AZ Chapter (IAFCI)

## Education

### **Yavapai College**

<i>Computer-related courses</i>	<i>Principles of Programming, Computer Systems in Business, Microcomputer Database, HTML: Introductory Concepts &amp; Techniques</i>	<i>1988-2009</i>
<i>Basic Police Certification, NARTA</i>		<i>Jan – May 2000</i>
<i>Business-related courses</i>	<i>Architectural Drafting-Residential, Business Law, Principles of Accounting II, Business Statistical Analysis</i>	<i>1985-1999</i>

### **Arizona Technical Institute**

*Electronic/Computer Technology* 980 hour course in Electronics/Computer Technology November 1982  
Equivalent of an Associates Degree in Electronics / Computer Technology (Equivalency stated by industry spokesman, 1982)

### **DeVry Institute of Technology (DeVry University)**

*Circuit Analysis I, Electronic Devices/Circuits I, Electronic Drafting, Electronics Lab I* 1981

## Computer Experience

Computer technician: Installation, troubleshooting and repair of computers, mini-computers (1-5 users) and peripheral devices (printers, monitors, modems, etc.). Assembly/manufacturing of CompuPro mini-computers.

Development and maintenance of YCSO Computer Forensic Lab forensic computer systems, equipment and network.

General Knowledge: Increasing knowledge about computer equipment, networks, and software through daily use and seeking assistance from knowledgeable persons to solve any problems that develop.

## Software Experience

Guidance Software's EnCase computer forensic software: Forensic software for the acquisition and examination of digital evidence.

AccessData's Forensic ToolKit (FTK) computer forensic software: Forensic software for the acquisition and examination of digital evidence.

Digital Detective's NetAnalysis forensic Internet history extraction software: forensic software for the extraction and analysis of Internet artifacts.

InfinaDyne's CD/DVD Inspector: forensic software for CD and DVD analysis

Microsoft Office Products: Extensive experience and daily use of Microsoft Office products, including Word, Excel, Outlook, PowerPoint, and Access.



## Current Employment

### Detective

March 2003 – Current.

Yavapai County Sheriff's Office

Camp Verde, AZ

### General Investigator

*Current primary focus: Computer Forensic Examinations*

*Investigation experience includes computer- and Internet-related crimes, financial crimes, fraud, embezzlement, theft, elder-abuse financial crimes, cold case homicide, recent homicides, violent assaults, and pawn-related crimes.*

### Employer Contact

**Yavapai County Sheriff's Office**

Phone: (928) 771-3260

## Work History

### Deputy

Aug 2002 – March 2003

Yavapai County Sheriff's Office

Prescott, AZ

### Planning and Development Deputy

*Assist the Planning and Development Division Lieutenant in researching and pursuing grant opportunities, and maintain the tracking and reporting for existing grants. Handle administrative procedures for the Volunteers In Protection (VIP) Program. Create and disseminate media releases for the agency. Perform other administrative assignments, as directed by the Sheriff.*

Jun 2000 – Aug 2002

Yavapai County Sheriff's Office

Camp Verde, AZ

### Patrol Deputy

*Perform general patrol duties in communities served, including pro-active patrol and response to calls. Investigate various reported crimes to their conclusion.*

### Detention Officer

Nov 1999 – Jan 2000

Yavapai County Sheriff's Office

Camp Verde, AZ

### Detention Officer

*Perform general duties required in the daily operation of the jail.*

### Computer Technician

Apr 1985 – Jul 1985

Custom Computer Technology

Sedona, AZ

*Custom Computer Technology was an OEM manufacturer of mini-computer systems using primarily CompuPro components. Performed system assembly, diagnostics and repair, and shipping of completed systems or components.*

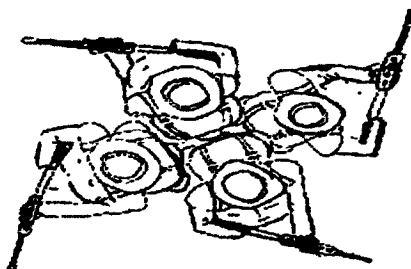
### Computer Technician

Nov 1982 – Jul 1984

BRS Leasing, Inc

Phoenix/Tucson, AZ

*On-site installation, maintenance and repair of computers and peripheral equipment, such as monitors, printers and modems (at customer site). In-shop component-level troubleshooting and repair of computer systems and peripheral equipment.*



Theresa Kennedy

has completed 25+ hours of training in

# **MAN TRACKING**

**November 17 - 18, 2004**

**Prescott, Arizona**

*Hosted by the Yavapai Sheriff's Department*

**This law enforcement training included basic skills and knowledge in terminology, locating the "trail" & "cutting for sign", assessment of the trail and sign, search technologies, use of air assets, point man techniques, use of canines, anti-tracking techniques and exercises, avoiding ambushes, team & individual tracking, command and control and tracking scenarios**

TRAINING THE WORLD'S ELITE



  
Dan Erber, President  
hssinternational.com



Curriculum Vitae  
**Patrick Dewayne Smith**  
2102 W. Encanto Blvd  
Phoenix AZ 85009  
602-644-5802  
psmith@azdps.gov

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### **CURRENT PROFILE**

**Forensic Video/Audio Analyst** – Arizona Department of Public safety  
June 2002 – Present

Duties include: Forensic Video and Audio Analysis, Image and Audio Clarification and Enhancements, Expert Courtroom Testimony, and repairing and recovery of damaged video and audio tapes.

**Forensic Computer Analyst** – Arizona Department of Public safety  
October 1998 – Present

Duties Include: Forensic Computer Analysis, assist in the preparation and execution of search warrants and provide expert testimony in the court reference evidence gleaned from computers and related media.

### **PROFESSIONAL EXPERIENCE**

**Computer Forensic Investigator/Analyst**

Arizona Department of Public Safety, Phoenix AZ (10/98 – present)

**Video Forensic Investigator/Analyst**

Arizona Department of Public Safety, Phoenix AZ (06/02 – present)

**Audio Forensic Investigator/Analyst**

Arizona Department of Public Safety, Phoenix AZ (10/04 – present)

**Criminal Investigation** (Organized crime investigations)

Arizona Department of Public Safety, Phoenix AZ (6/96 – 10/98)

**Narcotics Investigation** (Street Level/Undercover investigation)

Arizona Department of Public Safety, Phoenix AZ (7/92 – 6/96)

**Highway Patrol, Motorcycle Patrol**

Arizona Department of Public Safety, Phoenix AZ (11/90-7/92)

**Highway Patrol, Patrol Unit**

Arizona Department of Public Safety, Phoenix AZ (12/88-11/90)

## **SKILLS**

- Excellent communication and troubleshooting skills
- Strong practical and theoretical foundation in print and layout design, digital imaging, Illustration, and photography.
- Success in instructing individuals in course studies of digital Imaging, illustrations, and desktop publishing
- Technical writing skills and skills in producing Flash videos for various software, and course curriculums.
- Self-motivated, creative, and project oriented
- Proficient in set-up and networking of personal computers and hardware peripherals

## **COURSES AND CERTIFICATION**

### **CD and DVD Forensics**

October 2008

Lecture with practical applications covering the dynamics of examining CD and DVDs.

### **Forensic Imaging Techniques (Adobe Photoshop) by Law Enforcement/Emergency Services Video Association (LEVA)**

May 28-30, 2008

### **Digital Video and Adobe Photoshop by Resolution Video, Inc**

May 19-22, 2008

### **Video Tech Agent by Signalscape, Inc**

February 11-15, 2008

### **Forensic Audio Filtering by Digital Audio Corporation (DAC)**

August 30-31, 2007

Lecture with practical applications covering the characteristics of sound, voice, and noise; digital signal processing; and forensic audio enhancement methodology.

### **dTective Training by Ocean Systems**

August 7-18, 2007

Lecture with practical applications for criminal cases using the dTective software on the Avid Express System for Forensic Video Analysis applications.

### **Video Evaluation by Signalscape, Inc**

May 2007

An overview of the technologies related to analog and Digital video evidence. Hands on using the Starwitness software to process Video evidence.

**Intermediate Forensic Video Analysis (Processing Digital Multimedia) by Law Enforcement/Emergency Services Video Association (LEVA) Training Conference**  
May 7-11, 2007

Lecture and practical applications based on the best practices for the acquisition and processing of Digital Multimedia Evidence (DME).

**Adobe Photoshop Advanced by Pro Digital Imaging**  
April, 2007

Advanced level of Instruction, tips, tricks and technique for using Photoshop to do image retouching and photo corrections.

**Adobe Photoshop by Pro Digital Imaging**  
March, 2007

Instruction, tips, tricks and technique for using Photoshop to do image retouching and photo clarifications

**Adobe Photoshop for Forensic Video Analysts by Resolution Video, Inc**  
September 25-28, 2006

Lecture providing insight on the recovery and analysis of video evidence as well as an understanding of the capabilities of Adobe Photoshop for clarifying video images from Digital Video Security Systems.

**Basic Forensic Video Analysis & the Law by Law Enforcement/Emergency Services Video Association (LEVA) Training Conference**  
July 31-Aug 4, 2006

Lectures and presentations on Forensic Video Analysis and the Law discussing cases that addressed precedent in case law and case studies for court presentations. Presentations and hands on application of the technology behind the video signal, processes and analysis.

**Basic Law Enforcement Photography**  
November 8-9, 2005

Basic photography training in the following areas: understanding digital cameras, how to use your digital camera, and understanding lighting.

**Video Restoration and Enhancement by Signalscape, INC**  
October 2005

**Introduction to ARC GIS I by ESRI**  
April 6-7, 2005

This course covers fundamental GIS concepts as well as how to query a GIS database, manipulate tabular data, edit spatial and attribute data, and present data clearly and efficiently using maps and charts. Participants learn how to use ArcMap, ArcCatalog, and ArcToolbox and explore how these applications work together to provide a complete GIS software solution.

**Advanced Internet Investigations by Guidance Software**

March 22-25, 2005

Learn how to interpret Internet browser history, search engines, logs, and correctly rebuild web pages. The course will enable students to recover and examine e-mail messages, headers, and attachments from widely used e-mail applications and web-based e-mail providers. Locate and examine artifacts from search engines, instant messaging clients, and newsgroups.

**Network+ by Interface Technical Training**

November 2003 (48 Hours)

**Advanced Data Recovery & Analysis by National White Collar Crime Center**

November 18-21, 2002

The course includes hands-on instruction and discussion about such topics as evidence identification and extraction, hardware and software needed to do a seizure and high-tech legal issues.

**Encase Advanced Computer Forensics by Guidance Software**

October 1-4, 2002

The training covered Advance levels of creation and use of logical evidence files, locating and recovering deleted partitions and folders, conducting key word searches and advanced searches using GREP, EnCase® Virtual File System (VFS) and Physical Disk Emulator (PDE), Windows Registry, dealing with compound file types, exporting files, directories and entire volumes, identifying files using hash values and building hash libraries, identifying Windows XP operating system artifacts such as link files, recycle bin, and user folders, preparing reports and evidence for presentation in court, recovering artifacts such as swap files, file slack, and spooler files, recovering printed and faxed pages.

**Encase Intermediate by Guidance Software**

September 24-27, 2002

The training covered creation and use of logical evidence files, locating and recovering deleted partitions and folders, conducting key word searches and advanced searches using GREP, EnCase® Virtual File System (VFS) and Physical Disk Emulator (PDE), Windows Registry, dealing with compound file types, exporting files, directories and entire volumes, identifying files using hash values and building hash libraries, identifying Windows XP operating system artifacts such as link files, recycle bin, and user folders, preparing reports and evidence for presentation in court, recovering artifacts such as swap files, file slack, and spooler files, recovering printed and faxed pages.

**Internet and Email Examinations by Guidance Software**

August 6-9, 2002

Learn how to interpret Internet browser history, search engines, logs, and correctly rebuild web pages. The course will enable students to recover and examine e-mail messages, headers, and attachments from widely used e-mail applications and web-based e-mail providers. Locate and examine artifacts from search engines, instant messaging clients, and newsgroups.

**Information Security Seminars by Computer Security Institute**

May 21-22, 2002

**A+ Hardware and Software By Interface Technical Training**

October 2003 (48 Hours)

Students will learn installation procedures, dealing with legacy systems, creating and using emergency boot diskettes and managing printers and other devices. Other topics include networking, communication protocols, Internet access, troubleshooting, PC hardware and system maintenance procedures.

**Advanced Data Recovery & Analysis by National White Collar Crime Center**

August 27-31, 2001

The course includes hands-on instruction and discussion about such topics as evidence identification and extraction, hardware and software needed to do a seizure and high-tech legal issues.

**GMU 2001 by George Mason University**

August 13-17, 2001

**Computer Forensic (Intermediate) Training by New Technologies, Inc (NTI)**

May 17-18, 2001

This course covered the preservation, identification, extraction and documentation of computer evidence from an NTFS system.

**Computer Forensic (Basic) Training by New Technologies, Inc (NTI)**

May 14-16, 2001

This course covered evidence topics from a computer investigation and security review perspective.

**Computer Forensic by Guidance Software**

October 17-20, 2000

This course covered the preservation, identification, extraction and documentation of computer evidence.

**Anatomy of an intrusion by International Association of Computer Investigative Specialists (IACIS)**

May 2000

This course covered the basic of computer intrusion.

**Certified Electronic Evidence Collection Specialist by International Association of Computer Investigative Specialists (IACIS)**

May 1999

Basic computer forensic training in the following areas: computer crime, legal issues, first responder, standards and ethics, preparing cases, bits and bytes, batch files, Diskedit, boot sequence, forensic boot disk, BIOS passwords, physical disk structure, logical disk structure, hashing, sterilize and validation, forensic backup theory, blockers and clones, FAT file system, NTFS file system, EXT and UNIX file systems, HFS and Mac file systems, optical media, headers and extensions, compression,

windows registry, windows artifacts, Forensic tools, new storage devices, encryption, networking principles, internet browsers, AOL, email headers, chat programs, peer to peer, proactive online investigations, and courtroom testimony

**CyberCop 101 by National White Collar Crime Center Training and Research Institute**

November 1998

Basic computer forensic training in the following areas: computer crime, legal issues, bits and bytes, Diskedit, boot sequence, forensic boot disk, physical disk structure, logical disk structure, sterilize and validation, Operating system artifacts, and courtroom testimony

**CyberCop 101 by National White Collar Crime Center Training and Research Institute**

October 1996

Basic computer forensic training in the following areas: computer crime, legal issues, bits and bytes, Diskedit, boot sequence, forensic boot disk, physical disk structure, logical disk structure, sterilize and validation, Operating system artifacts, and courtroom testimony

**Unresolved Homicide by Hocking College**

September 2006 (24hrs)

**Characteristics of Gunshot Wounds, and Forensic Firearms Evidence by Arizona Homicide Investigators Association**

August 3-5, 1998

**Interview and Interrogation by Florida National Guard**

March 23-25, 1998

**Contemporary Problems in the undercover process by Drug Enforcement Administration (DEA)**

September 1994

**Interview and Interrogation Seminar by Maricopa County Attorney's Office**

June 1993 (16hrs)

**Public Affairs and community education by Arizona Department of Public Safety**

March 1991

**Recovery of Digital Video Evidence**

October 6-7, 2003 - St. Charles, IL



**AWARDS:**

**Officer of the Year**

Arizona Department of Public Safety, Investigation Bureau, 1999

**Director's Unit Citation**

Arizona Department of Public Safety, Computer Forensic Unit, 09/00

**Director's Unit Citation**

Major Crimes District, February 26, 2002

**Director's Unit Citation**

Economic Crimes District, May 2006

**Letter of Appreciation**

Commander Young, Metro Highway Patrol Bureau, December 2008

**PROFESSIONAL MEMBERSHIPS:**

LEVA - Law Enforcement/Emergency Services Video Association

High Technology Crime Investigation Association (HTCIA)

**INSTRUCTOR AND COURSES PREPARED:**

**Arizona Law Enforcement Career Academy**

ALEA/American Legion Cadet class 92-1, May 1992

**Arizona Law Enforcement Career Academy**

ALEA/American Legion Cadet class 93-1, May 1992

**Basic Computer Seizure**

Arizona Department of Public Safety

This course was designed to introduces digital media, search warrants, legal issues and proper identification and marking of seized media.

**Investigation and prosecution of child sexual exploitation: Understanding Graphics**

Phoenix Police Department and Yavapai Community College

This course was designed to introduce students to the elements of digital pictures. Identifying computer generated art to real life photographs.

**TESTIFIED**

Maricopa County Superior Court,

July 2009

DeConcini United States Courthouse

October 2008

DeConcini United States Courthouse

February 2008

County of Yavapai

State of Arizona v. Larry Kearney

May 2002

Pinal County Superior Court

2001

Yuma County Superior Court

2001